**The Microscope Scavenger Hunt** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**microscope slide box: Hassell**

**Your goal is to use your microscope to correctly find as many of the following** items as possible. After you find the items with the microscope, you will be asked to answer a question about what you see or draw a sketch. Write you answers in the squares below. Your score depends on how well you locate the item, make observations and answer questions correctly. Good luck! **Write neatly, if I can not read it, it is wrong.**

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| **View an e that is facing you on the stage under low magnification. Draw what you see under low magnification**  **Which way do you move the slide to make the objects move to the right and down?** | **View the slide of the spider. Draw one if its legs and the “toes” at the end.** | **Observe the moth and butterfly antennae on low magnification. Draw them.**  **Moth Butterfly** |
| **Are ticks just larger versions of mites? Explain & Draw** | **Observe the prokaryote & eukaryote. What is the major difference? Draw an example of each** | **Draw examples of 2 protist.**  **Do they have chloroplast?**  **How do you know?** |
| **Find a mass of pink squamous epithelium cheek cells under low power. Switch to medium or high power and sketch 2 cells. Label the nucleus, cytoplasm and cell membrane.** | **View a wet mount elodea slide. Describe/ what happens to an elodea cell when distilled water is added. Draw Before/After**  **Draw what happens to the elodea cell when salt water is added to the slide? Draw Before/After** | **Draw 3 different diatoms. What do they all have in common?** |
| **How do you make a stained cheek cell slide?** | **Observe the Nucleic Acid onion root tip. Which phase occurs most often on the outside area of the root?**  **Draw and label 3 different cells that you observe.** |
| **What are the steps for making a wet mount?** |

**Make sure all parts are answered!**